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E08096/c
LOCUS      E08096                      1434 bp    DNA    linear    PAT 29-SEP-1997
DEFINITION Genomic DNA encoding a porcine mutarotase.
ACCESSION  E08096
VERSION    E08096.1  GI:2176221
KEYWORDS   JP 1994253856-A/1.
SOURCE     Sus sp.
  ORGANISM Sus sp.
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Cetartiodactyla; Suina; Suidae; Sus.
REFERENCE  1 (bases 1 to 1434)
AUTHORS    Chiba,M. and Oya,R.
TITLE      MUTAROTASE GENE
JOURNAL     Patent: JP 1994253856-A 1 13-SEP-1994;
            AMANO PHARMACEUT CO LTD
COMMENT     OS   Sus sp. (pig)
            PN   JP 1994253856-A/1
            PD   13-SEP-1994
            PF   26-FEB-1993 JP 1993062646
            PI   CHIBA MASAYA, OYA RYUICHI
            PC   C12N15/61//C12N9/90;
            CC   strandedness: Double;
            CC   topology: Linear;
            CC   hypothetical: No;
            CC   anti-sense: No;
            FH   Key          Location/Qualifiers
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            FT   5'UTR          1. .49
            FT   CDS            50. .1078
            FT                   /product='A porcine mutarotase' FT   3'UTR
            FT                   1079. .1434.
FEATURES    Location/Qualifiers
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            /organism="Sus sp."
            /mol_type="genomic DNA"
            /db_xref="taxon:9826"

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ORIGIN

Query Match 4.2%; Score 377.8; DB 6; Length 1434;
Best Local Similarity 81.4%; Pred. No. 3.6e-93;
Matches 517; Conservative 0; Mismatches 47; Indels 71; Gaps 4;

[illegible]

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 Qy 7237 GT-----TGGCCAGCTTATACTCCTTCCCATCCAACGTG-ATGTTCTTTT 7280
 Db 361 GTTGGGCCCCGTTGTTGATGGCCAGCTTATACTCCTTCCCATCCAATGTGAATGTTCTTT 302
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 Qy 7341 CCCTTCCAATTCAGCAAAGCCAAGCACCACATCTGAGGCTCTGCCTTGCTTGTCTTTGAC 7400
 Db 241 CTCTTTCAATTCAGCAAAGCCAAGCACCACGTCTGAGGCTCTGCCCTGCCTGTCTTTGAC 182
 Qy 7401 CTCCAGGGCCGTGATGGTGCAGCCCGAGGAGATGATTTCCTCCAGTGTGTTTCAGCC 7460
 Db 181 CTCCAGGGCCGTGATGGTGCAGCCCGAGGAGATGATGTCCAC----- 140
 Qy 7461 CGAGGAGATGATTTCCTCAATTCCCAGTTGGTCTGCTTGCAGCTGGAATTTTCCATGTTCC 7520
 Db 139 -----TCTCAGCTGGTCTGATTGCAGCTGGAATTTTCCACCGTCC 99
 Qy 7521 TTGCCCCCAAGGGGAGTTCTCCAAACACAGATCTTGTAAGTGAACCATGAGGAAAGCTT 7580
 Db 98 CTGCCCCCGAGGGGAGGTCTCCAAACACGGATCTTGTAAGTGAACCATGAGGAAAGCTT 39
 Qy 7581 GGGGTGTGTAGGTGCTCCAGGTCTTCAAACGCCC 7615
 Db 38 GGGGTGTGTAGTTGCTCCAGGTCCCTCGAACTCCC 4

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